

CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claims 1 to 11 (canceled).

12. (new) A fusible conductor for a fuse element, said fusible conductor comprising:
an electrically insulating core;
a fusible wire wound about the core; and
at least one electrically insulating fibre wound about the core parallel to the fusible wire such that the fusible wire is fixed in position so that a short circuit of adjacent turns of the fusible wire is prevented.
13. (new) The fusible conductor of claim 12, wherein the fusible wire and one insulating fibre are wound closely adjacent to one another.
14. (new) The fusible conductor of claim 13, wherein both fusible wires and also the insulating fibre have an approximately circular cross section and the ratio of the diameter of the fusible wire to that of the insulating fibre is between $1/3$ and 3.
15. (new) The fusible conductor of claim 14, wherein the ratio of the diameter of the fusible wire to that of the insulating fibre is between 1 and 3.
16. (new) The fusible conductor of claim 13, wherein the fusible wire has an approximately circular cross section and wherein the insulating fibre is situated between adjacent turns of the fusible wire such that the spacing between the turns is 0.2 to 2 times the diameter of the fusible wire.

17. (new) The fusible conductor of claim 16, wherein the spacing between adjacent turns is smaller than the diameter of the fusible wire.
18. (new) The fusible conductor of claim 16, wherein the outer surface of the wound fusible wire projects beyond the outer surface of the insulating fibre.
19. (new) The fusible conductor of claim 14, wherein the core has a circular cross section and the cross sectional dimensions of the insulating fibre are smaller than the diameter of the core.
20. (new) The fusible conductor of claim 12, wherein the insulating fibre consists of one or more glass fibres.
21. (new) The fusible conductor of claim 12, wherein the insulating fibre consists of one or more ceramic fibres.
22. (new) The fusible conductor of claim 12, wherein the core consists of one or more glass fibres.